

**To:** Roth, Lynn[lroth@blm.gov]  
**From:** Thomas, Nathan  
**Sent:** 2017-03-10T16:22:53-05:00  
**Importance:** Normal  
**Subject:** Re: BENM Sites  
**Received:** 2017-03-10T17:22:15-05:00

Lynn, here are a few sites I came up with. I gave them pretty big buffers, except for Hideout Canyon.

\\blm\dfs\loc\EGIS\UT\GisData\ut\so\projects\Cultural\Bears Ears

On Fri, Mar 10, 2017 at 9:01 AM, Roth, Lynn <lroth@blm.gov> wrote:

Here's what I received from Anita.

On Thu, Mar 9, 2017 at 3:02 PM, Edwin Roberson <eroberso@blm.gov> wrote:

Would you all ask Lynn Roth if he can map these areas.  
They were listed in the proclamation. I will get more intel tomorrow. Thank you. Ed

Sent from my iPhone

Begin forwarded message:

**From:** "Hanson, Joshua" <joshua.hanson@sol.doi.gov>  
**Date:** March 9, 2017 at 4:58:23 PM EST  
**To:** Edwin Roberson <eroberso@blm.gov>  
**Cc:** "Moody, Aaron" <aaron.moody@sol.doi.gov>, Laura Brown <laura.brown@sol.doi.gov>  
**Subject:** Re: GSENM Mineral Info

Here you go Ed.

(b) (5) - ACP

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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[REDACTED]

On Thu, Mar 9, 2017 at 4:28 PM, Edwin Roberson <eroberso@blm.gov> wrote:

Josh, (b) (5) - ACP [REDACTED] ? I want to send it to UT. Thanks. Ed

Sent from my iPhone

On Mar 9, 2017, at 9:21 AM, Hanson, Joshua <joshua.hanson@sol.doi.gov> wrote:

Sounds good. I'm in 6420.

On Thu, Mar 9, 2017 at 9:11 AM, Edwin Roberson <[eroberso@blm.gov](mailto:eroberso@blm.gov)> wrote:

I will be around all day tomorrow. I will be going to the emerging leaders graduation and will be meeting with Downey, Kathy and Kristin. Other than that I will be freelancing. I will drop by. Ed

Sent from my iPhone

On Mar 9, 2017, at 9:00 AM, Hanson, Joshua <[joshua.hanson@sol.doi.gov](mailto:joshua.hanson@sol.doi.gov)> wrote:

Thanks Ed. If you have time before you leave, I'd like to grab a cup of coffee or something and pick your brain.  
Josh

On Thu, Mar 9, 2017 at 8:32 AM, Edwin Roberson <[eroberso@blm.gov](mailto:eroberso@blm.gov)> wrote:

FYI

Sent from my iPhone

Begin forwarded message:

**From:** "Hoffman, Kent" <[khoffman@blm.gov](mailto:khoffman@blm.gov)>  
**To:** Edwin Roberson <[eroberso@blm.gov](mailto:eroberso@blm.gov)>  
**Cc:** Ryan Sutherland <[rsutherland@blm.gov](mailto:rsutherland@blm.gov)>, Michael Richardson <[mjrichardson@blm.gov](mailto:mjrichardson@blm.gov)>  
**Subject:** GSENM Mineral Info

Ed,  
I was asked to get you some info on minerals in the GSENM. I can't put my hands on a mineral report (folks in Kanab can't either) so we pulled some readily available info together.

Attached are some maps showing various minerals and O&G and a page with some coal data.

The 39 oil and gas leases suspended in the monument are all under applications associated with the Combined Hydrocarbon Lease conversions dating back to the mid 1980's.

Hopefully this gives some basic mineral background for you.

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On Fri, Mar 10, 2017 at 8:30 AM, Mueller, Brian <[bmueller@blm.gov](mailto:bmueller@blm.gov)> wrote:

Lynn:

Any idea where Ed got that list of features from?

On Fri, Mar 10, 2017 at 8:25 AM, Thomas, Nathan <[nthomas@blm.gov](mailto:nthomas@blm.gov)> wrote:

I'm going to loop in Greg McDonald on the Paleo Locations.

On Fri, Mar 10, 2017 at 8:18 AM, Roth, Lynn <[lroth@blm.gov](mailto:lroth@blm.gov)> wrote:

In an ideal situation, the shape files would be best. However, I think drawing them on a map would be fine with the short time frame I have to get the map finished.

On Fri, Mar 10, 2017 at 8:09 AM, Thomas, Nathan <[nthomas@blm.gov](mailto:nthomas@blm.gov)> wrote:

Lynn, are you asking for us to track down shapefiles for you or just to draw these locations on this map?

On Fri, Mar 10, 2017 at 7:53 AM, Roth, Lynn <[lroth@blm.gov](mailto:lroth@blm.gov)> wrote:

I need some help identifying the locations listed below for a state director requested map. I'm using the attached map as a base to portray the location.

#### **Cultural Objects**

Bears Ears  
Lime Ridge Clovis Site  
Moki Steps  
Doll House Ruin  
Moon House Ruin  
Newspaper Rock  
Indian Creek Rock Art

#### **Paleo Objects**

Arch Canyon Fossil Site  
Indian Creek Chinle Formation  
Comb Ridge Fossil Site  
Wingate Formation Fossil Site  
Kayenta Formation Fossil Site  
Navajo Formation Fossil Site

#### **Landscape Features**

Comb Ridge  
San Juan River  
Cedar Mesa  
Spires in the Valley of the Gods  
Abajo Mountain Tower  
Bears Ears Headwaters

#### **Historic Objects**

Hole-in-the-Rock Trail

Outlaw Trail  
Hideout Canyon

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